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(19) **United States**(12) **Patent Application Publication****Nelson**(10) **Pub. No.: US 2006/0260569 A1**(43) **Pub. Date: Nov. 23, 2006**(54) **V-QUAD ENGINE AND METHOD OF
CONSTRUCTING SAME****Publication Classification**(51) **Int. Cl.****F02B 75/22** (2006.01)**G01L 23/22** (2006.01)(52) **U.S. Cl.** **123/54.4; 123/594**

(57)

ABSTRACT

A V-quad engine has two juxtaposed V-twin cylinder banks connected to a common crankshaft and fuel and ignition systems that cause the front cylinders in the two banks to fire simultaneously and the rear cylinders in the two banks to fire simultaneously. Conventional V-twin components are used for many components of the V-quad engine. Master-slave rocker shaft assemblies are provided with angularly adjustable links to drive the left bank rocker shafts in unison with the right bank rocker shafts.

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